



MIS 699

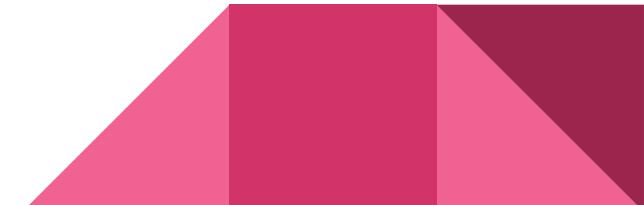
Designing Emerging Information Technology Compute Activity Sequences

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In the previous presentation, we..

Discussed about improved version of our prototype:

- Data normalization
 - Importance of data normalisation and the impact it made.
- Our approach
 - Understanding what an activity is accordance to EVE online
 - Categorizing and forming important activities
- Data transformation
 - Focus on Cognitive Orientation Data Markers.



In the previous presentation, we..

- Performing data manipulation
 - Scrubbing the data
 - Data Word Count Normalization
 - Calculating Post Turbulence Over time.
- Visualizing the results
 - Presented different visualizations for the processed data.
- Findings
 - Number of active posters on the Eve online forum gradually decreases throughout the years.
 - turbulence is low in the beginning years and then is more varied in the later years.

Achievements since the start of the project :

- We overcame the practical and technical [problems associated with the project.
- We identified and computed the sequence of activities by the user community as represented by the words they use in their posts throughout the course of time.
- This helped us in understanding the nature of activities behind the words of the posters.
- We identified which file dominates among the data and post by word count representation and calculate its turbulence.
- We normalized the data and checked its turbulence.

Progress in this presentation:

- We made a note of all the releases made by EVE Online through the years and analyzed how the releases affected the number of posts on the forum.
- We checked the turbulence of the new data.

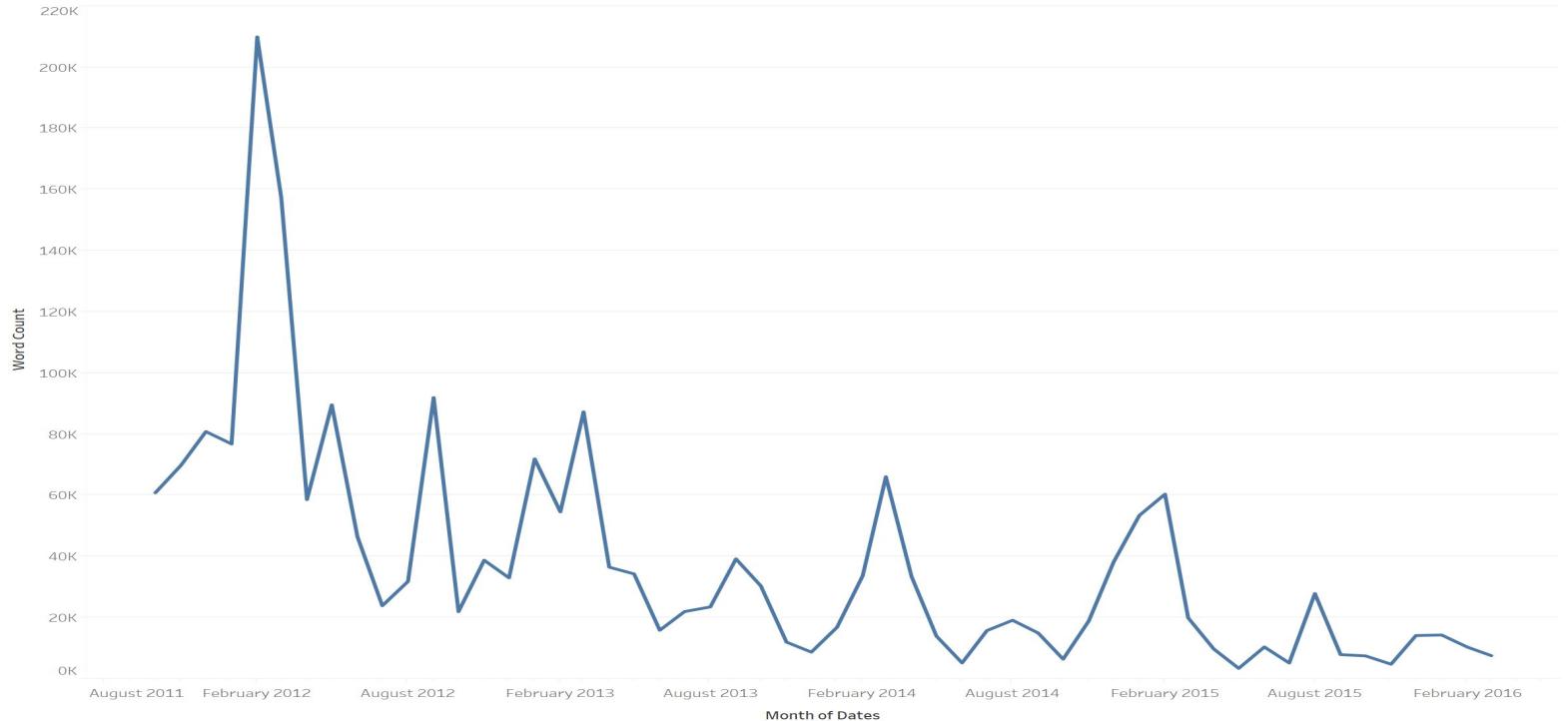
A Look at our Visualization



Not Normalized Word Count

Congnitive Sequences

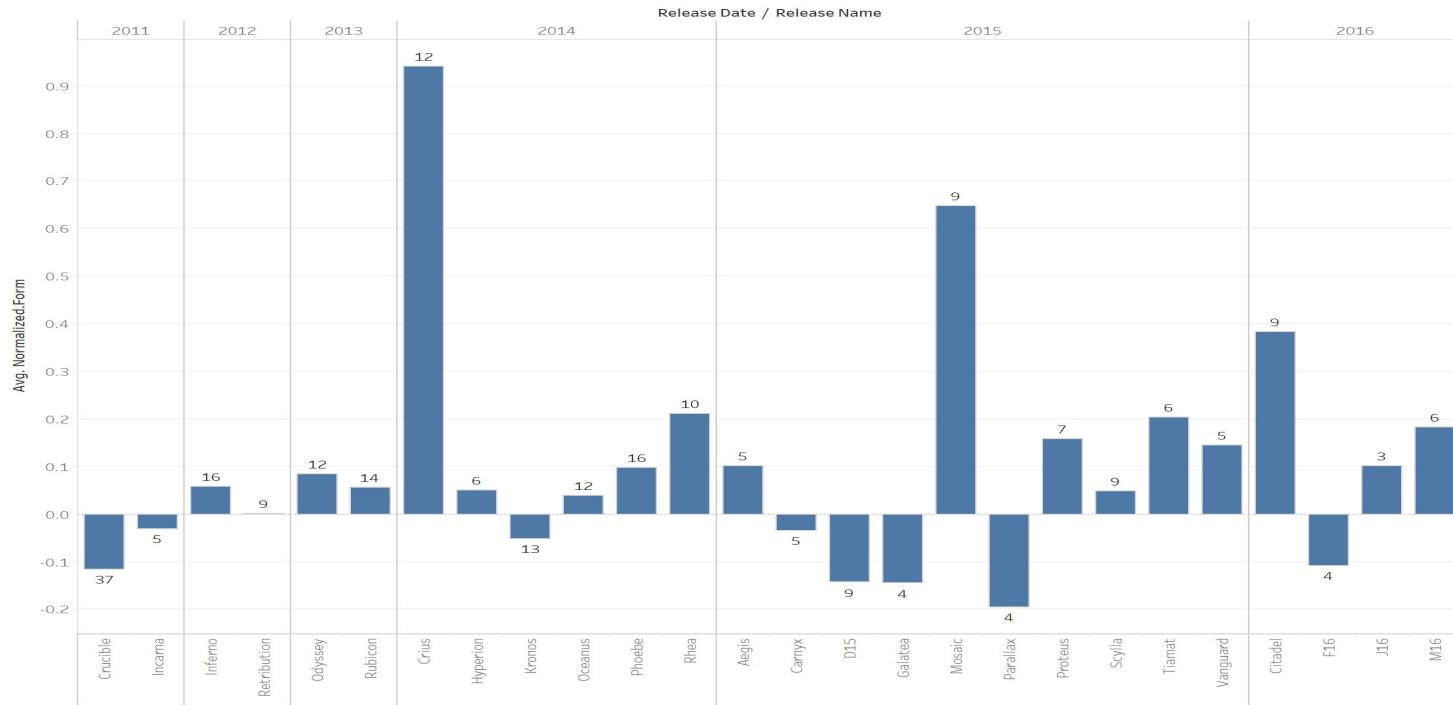
Not Normalized Word Count	Avg Normalized word count by release	Number of Unique Posters by Release	Number of Posters by Month	Count of Unique Users to Count of Posts	Counts of Posts by Dominant Cognitive Marker	Average Turbulence Over Time	Average of Dominant Cognitive Marker to Total Word Count
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Avg Normalized Word Count by Release

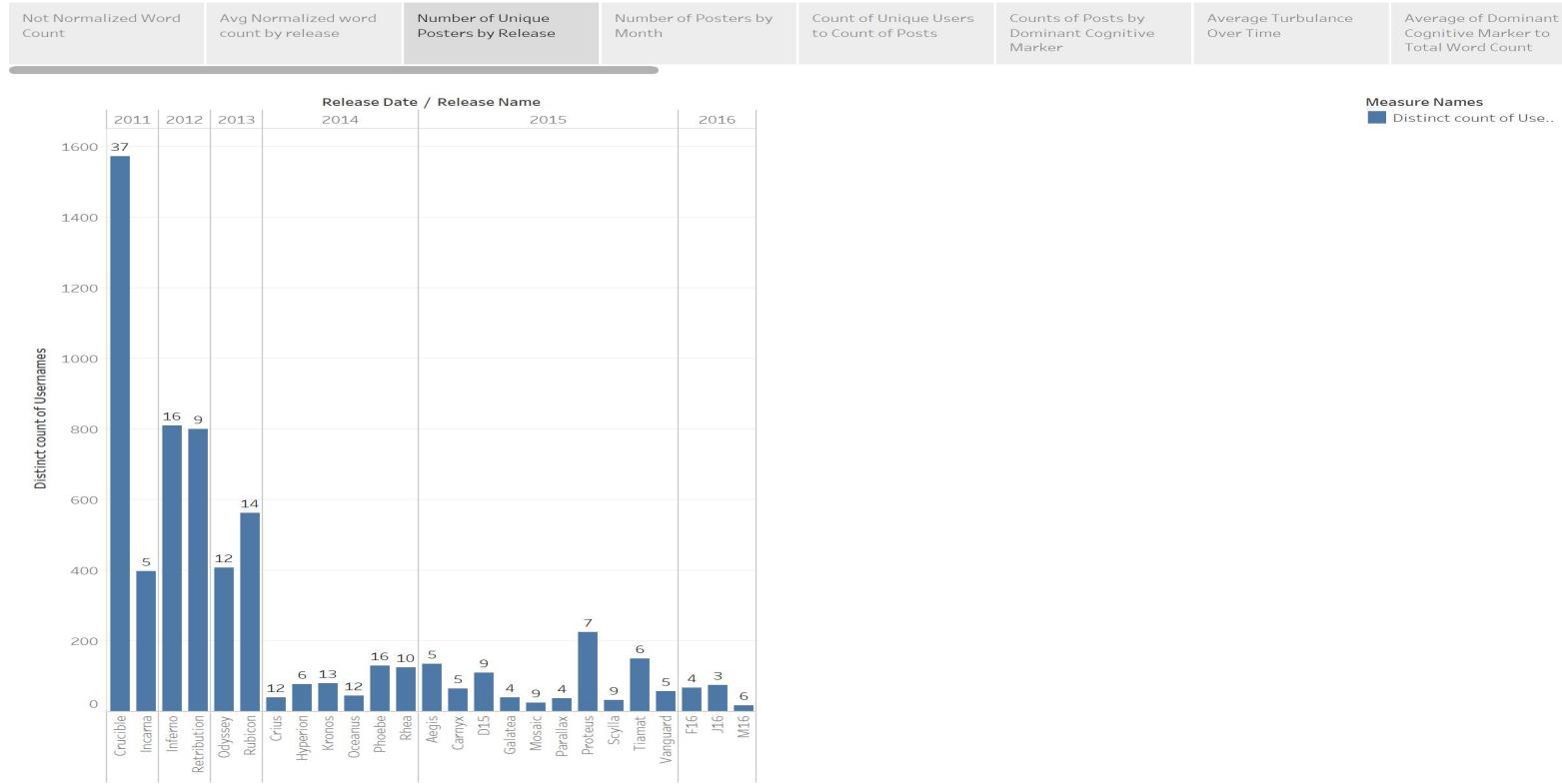
Cognitive Sequences

Not Normalized Word Count	Avg Normalized word count by release	Number of Unique Posters by Release	Number of Posters by Month	Count of Unique Users to Count of Posts	Counts of Posts by Dominant Cognitive Marker	Average Turbulance Over Time	Average of Dominant Cognitive Marker to Total Word Count
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Number of Unique Posters by Release

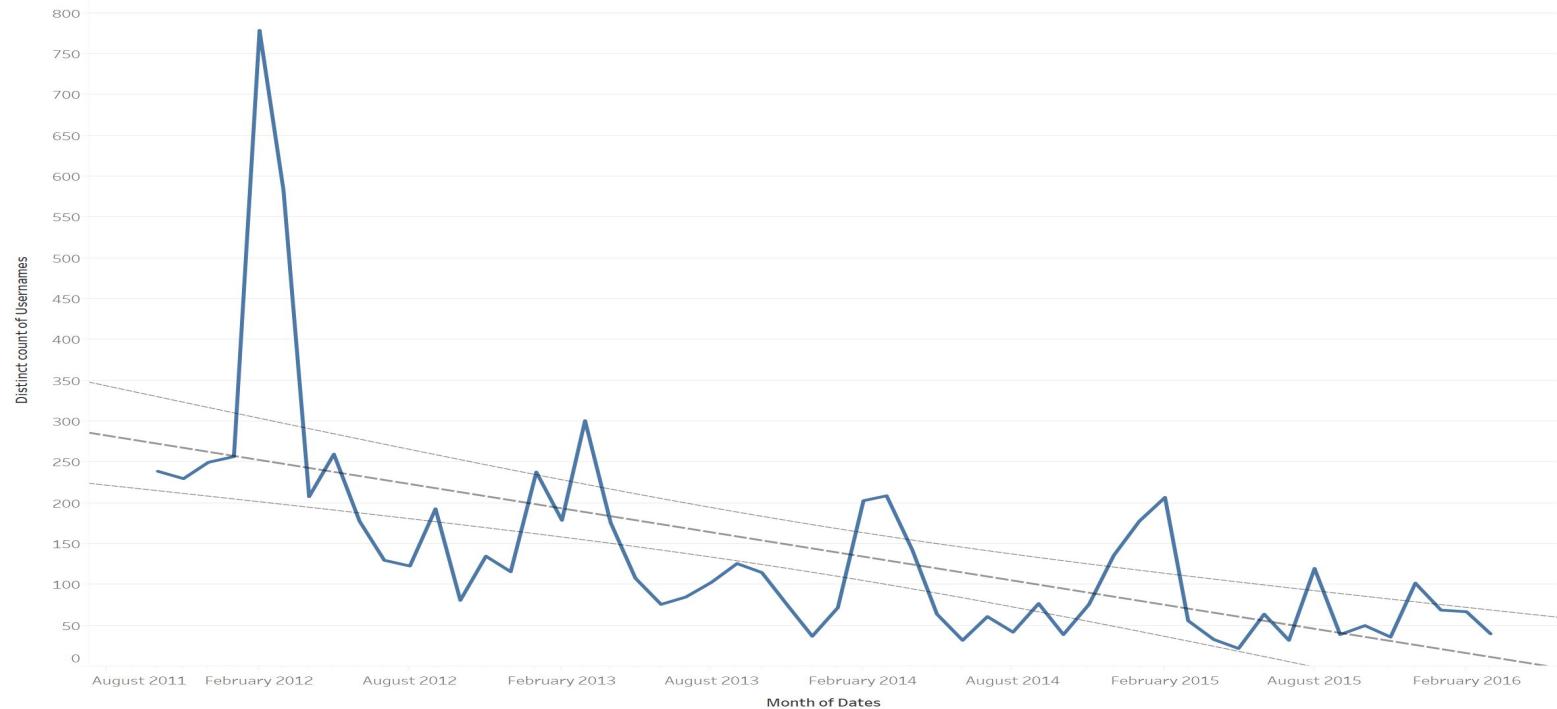
Cognitive Sequences



Number of Posters by Month

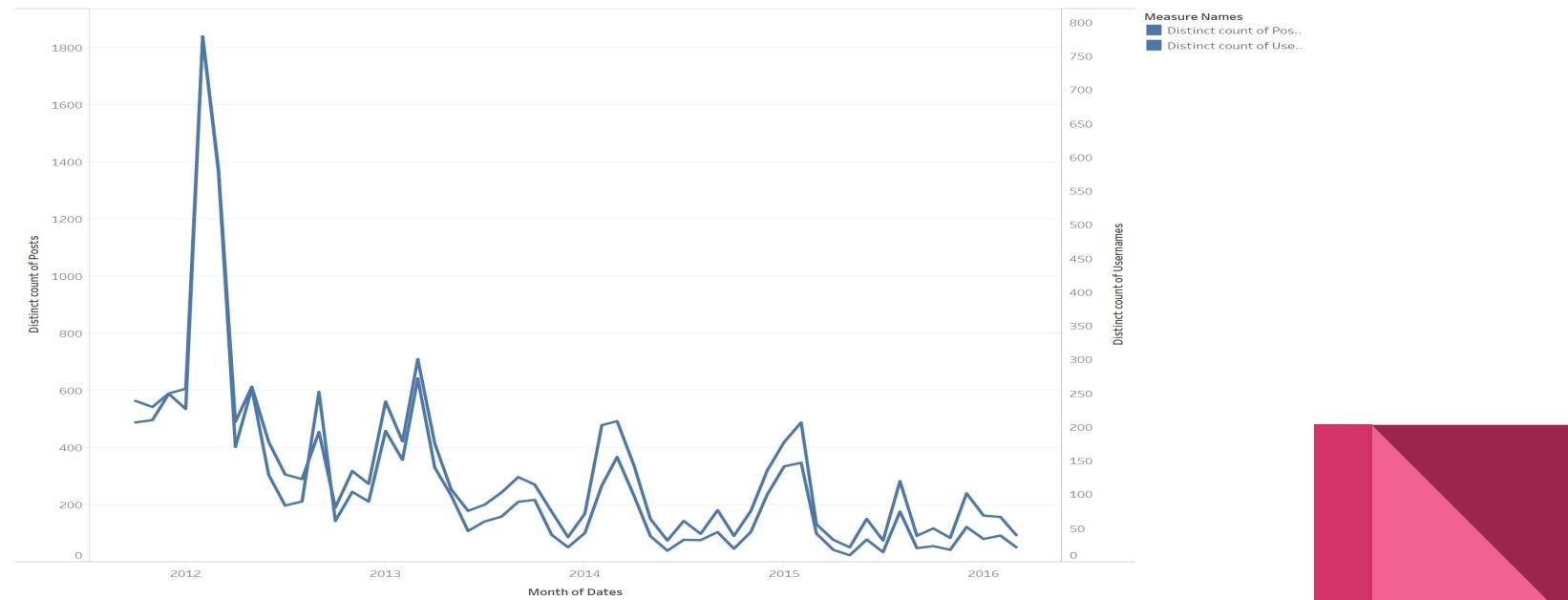
Congnitive Sequences

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Count of Unique Users to Count of Posts

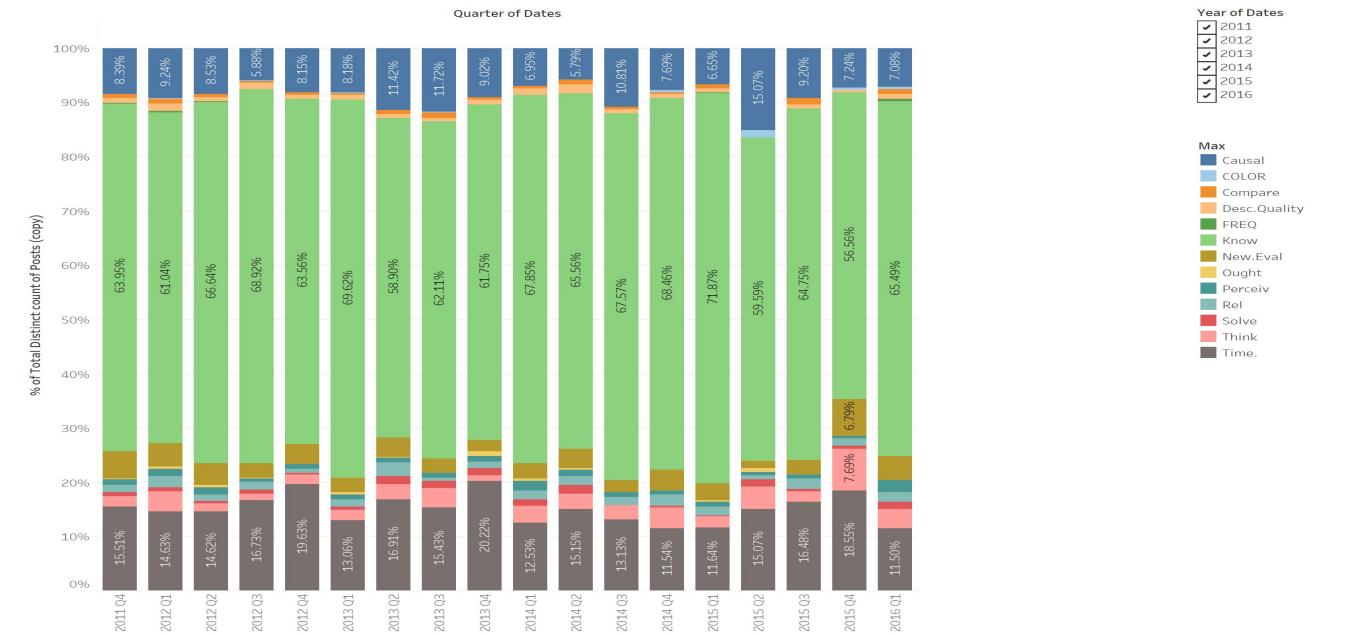
Cognitive Sequences



Counts of Posts by Dominant Cognitive Markers

Cognitive Sequences

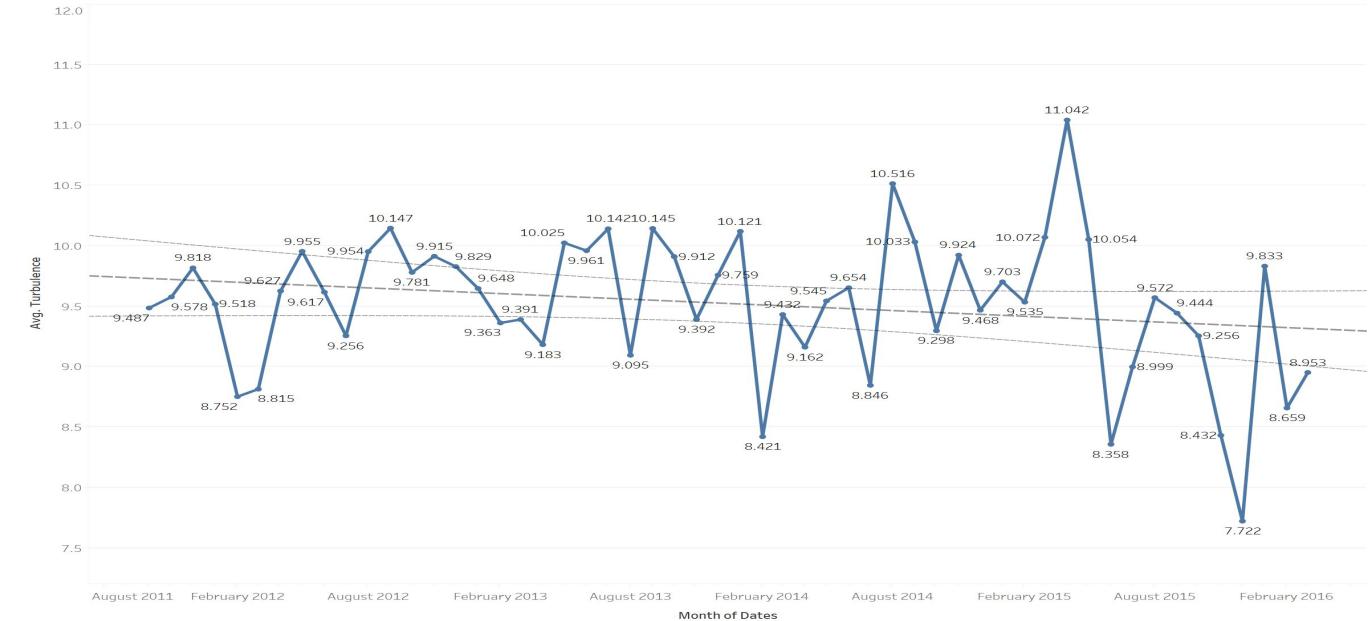
Avg Normalized word c...	Number of Unique Posters by Release	Number of Posters by Month	Count of Unique Users to Count of Posts	Counts of Posts by Dominant Cognitive Marker	Average Turbulance Over Time	Average of Dominant Cognitive Marker to Total Word Count	Average of Normalized vs Average Post Word Count	Max Word Count by Years
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Average Turbulence Over Time

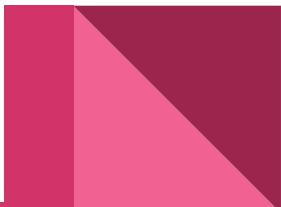
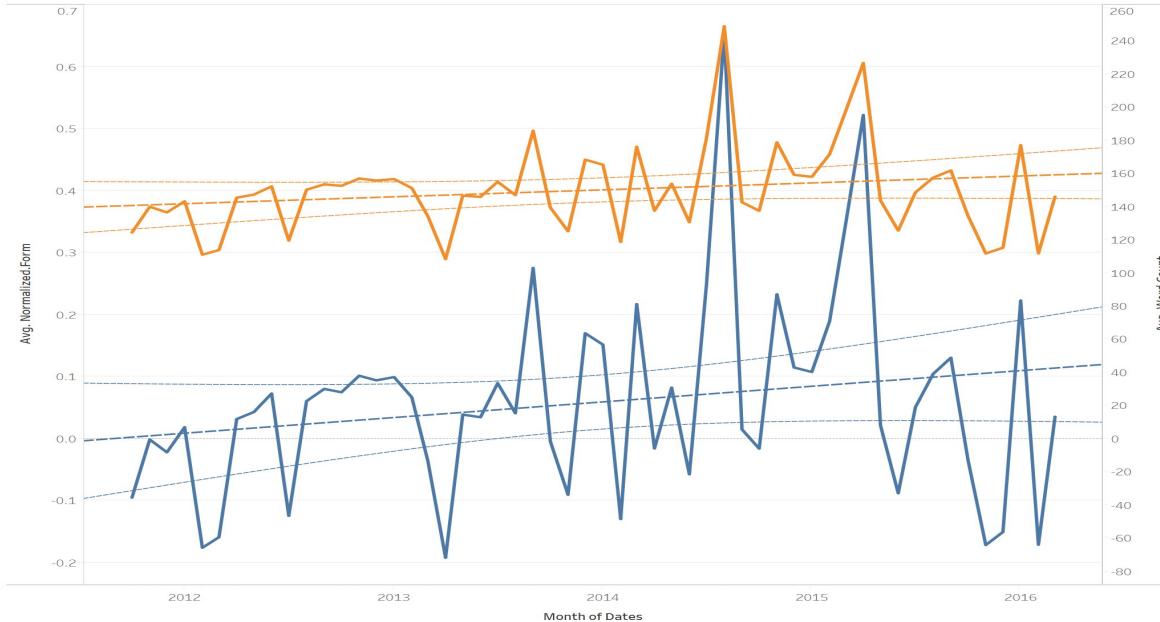
Cognitive Sequences

Number of Unique ...	Number of Posters by Month	Count of Unique Users to Count of Posts	Counts of Posts by Dominant Cognitive Marker	Average Turbulence Over Time	Average of Dominant Cognitive Marker to Total Word Count	Average of Normalized vs Average Post Word Count	Max Word Count by Years	Percent of Max Marker by...
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Average of Normalized vs Average Post Word Count

Cognitive Sequences



Max Word Count by Years

Cognitive Sequences

	Counts of Posts by Dom..	Average Turbulence Over Time				Average of Dominant Cognitive Marker to Total Word Count				Average of Normalized vs Average Post Word Count				Max Word Count by Years				Percent of Max Marker by Quarter				Release Number of Changes to Word Count Comparison				Posts Number by Release and Changes Number			
Max		2011 Q4	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	Grand Tot									
Causal	132	345	112	59	49	119	77	60	33	51	21	28	30	52	22	24	16	16	16	1									
COLOR	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1									
Compare	13	35	7	4	3	5	5	5	2	3	3	1	1	6	6	3	3	2	2	2									
Desc.Quality	14	53	9	12	4	12	5	3	3	9	6	2	3	6	2	1	1	1	2	2									
FREQ	3	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
Know	1,006	2,278	875	692	382	1,013	397	318	226	498	238	175	267	562	87	169	125	148	148	1									
New.Eval	79	159	52	26	23	40	24	14	8	21	13	6	15	24	2	7	15	10	10	1									
Ought	1	13	6	1	1	5	1	1	3	1	1	1	3	1	1	1	1	1	1	1									
Perceiv	18	51	18	7	5	14	6	4	4	13	4	2	3	6	1	2	1	5	5	5									
Rel	21	76	15	15	4	20	16	3	4	12	6	4	8	13	1	5	3	4	4	1									
Solve	12	30	6	8	2	8	10	7	5	9	6	1	1	2	2	1	1	1	3	3									
Think	30	138	20	11	11	27	19	18	4	23	10	7	15	16	6	5	17	8	8	1									
Time.	244	546	192	168	118	190	114	79	74	92	55	34	45	91	22	43	41	26	26	1									
Grand Total	1,573	3,732	1,313	1,004	601	1,455	674	512	366	734	363	259	390	782	146	261	221	226	226	1									



Percent of Max Marker by Quarter

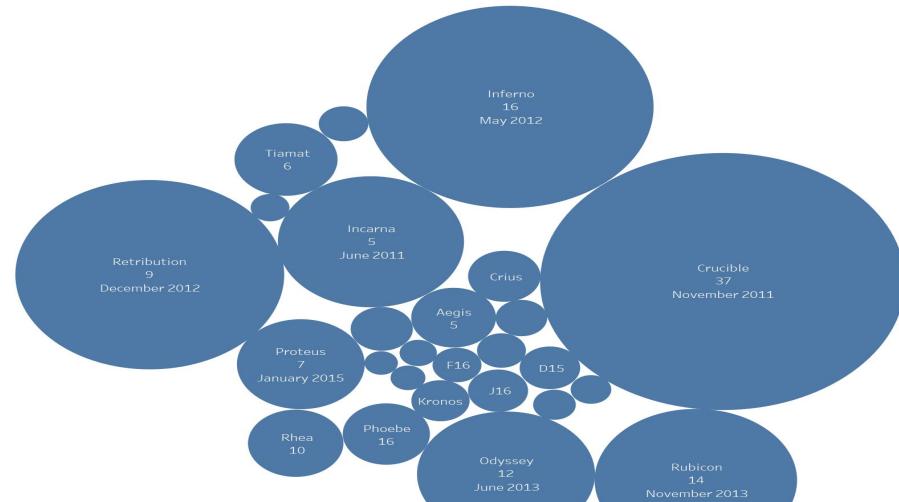
Cognitive Sequences

	Average Turbulence Dv.	Average of Dominant Cognitive Marker to Total Word Count	Average of Normalized vs Average Post Word Count	Max Word Count by Years	Percent of Max Marker by Quarter	Release Number of Changes to Word Count Comparison	Posts Number by Release and Changes Number	Average Turbulance by Release	Turbulence by Number of Changes											
	2011 Q4	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	Dates	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	Grand Tot
Max	10.60%	27.71%	9.00%	4.74%	3.94%	9.56%	6.18%	4.82%	2.65%	2011	4.10%	1.69%	2.25%	2.41%	4.18%	1.77%	1.93%	1.29%	1.29%	101
Causal	10.60%	27.71%	9.00%	4.74%	3.94%	9.56%	6.18%	4.82%	2.65%	2012	4.10%	1.69%	2.25%	2.41%	4.18%	1.77%	1.93%	1.29%	1.29%	101
COLOR	9.09%					18.18%		9.09%		2013					18.18%		18.18%		9.09%	9.09%
Compare	13.27%	35.71%	7.14%	4.08%	3.06%	5.10%	5.10%	2.04%	3.06%	2014	3.06%	1.02%	1.02%	1.02%	6.12%		3.06%		2.04%	101
Desc.Quality	9.59%	36.30%	6.16%	8.22%	2.74%	8.22%	3.42%	2.05%	2.05%	2015	6.16%	4.11%	1.37%	2.05%	4.11%		1.37%		1.37%	101
FREQ	23.08%	53.85%	7.69%							2016					7.69%				7.69%	101
Know	10.66%	24.13%	9.27%	7.33%	4.05%	10.73%	4.21%	3.37%	2.39%	Q1	5.27%	2.52%	1.85%	2.83%	5.95%	0.92%	1.79%	1.32%	1.57%	101
New_Eval	14.71%	29.61%	9.68%	4.84%	4.28%	7.45%	4.47%	2.61%	1.49%	Q2	3.91%	2.42%	1.12%	2.79%	4.47%	0.37%	1.30%	2.79%	1.86%	101
Ought	2.63%	34.21%	15.79%	2.63%		13.16%	2.63%		7.89%	Q3	7.89%	2.63%		7.89%	2.63%		7.89%	2.63%		101
Perceiv	10.98%	31.10%	10.98%	4.27%	3.05%	8.54%	3.66%	2.44%	2.44%	Q4	7.93%	2.44%	1.22%	1.83%	3.66%	0.61%	1.22%	0.61%	3.05%	101
Rel	9.13%	33.04%	6.52%	6.52%	1.74%	8.70%	6.96%	1.30%	1.74%	2017	5.22%	2.61%	1.74%	3.48%	5.65%	0.43%	2.17%	1.30%	1.74%	101
Solve	10.62%	26.55%	5.31%	7.08%	1.77%	7.08%	8.85%	6.19%	4.42%	2018	7.96%	5.31%		0.88%	1.77%	1.77%	0.88%	0.88%	2.65%	101
Think	8.40%	38.66%	5.60%	3.08%	3.08%	7.56%	5.32%	5.04%	1.12%	2019	6.44%	2.80%	1.96%	4.20%	4.48%	1.68%	1.40%	4.76%	2.24%	101
Time.	11.22%	25.11%	8.83%	7.73%	5.43%	8.74%	5.24%	3.63%	3.40%	2020	4.23%	2.53%	1.56%	2.07%	4.19%	1.01%	1.98%	1.89%	1.20%	101
Grand Total	10.80%	25.62%	9.01%	6.89%	4.13%	9.99%	4.63%	3.51%	2.51%		5.04%	2.49%	1.78%	2.68%	5.37%	1.00%	1.79%	1.52%	1.55%	101

Release Number of Changes to Word Count Comparison

Cognitive Sequences

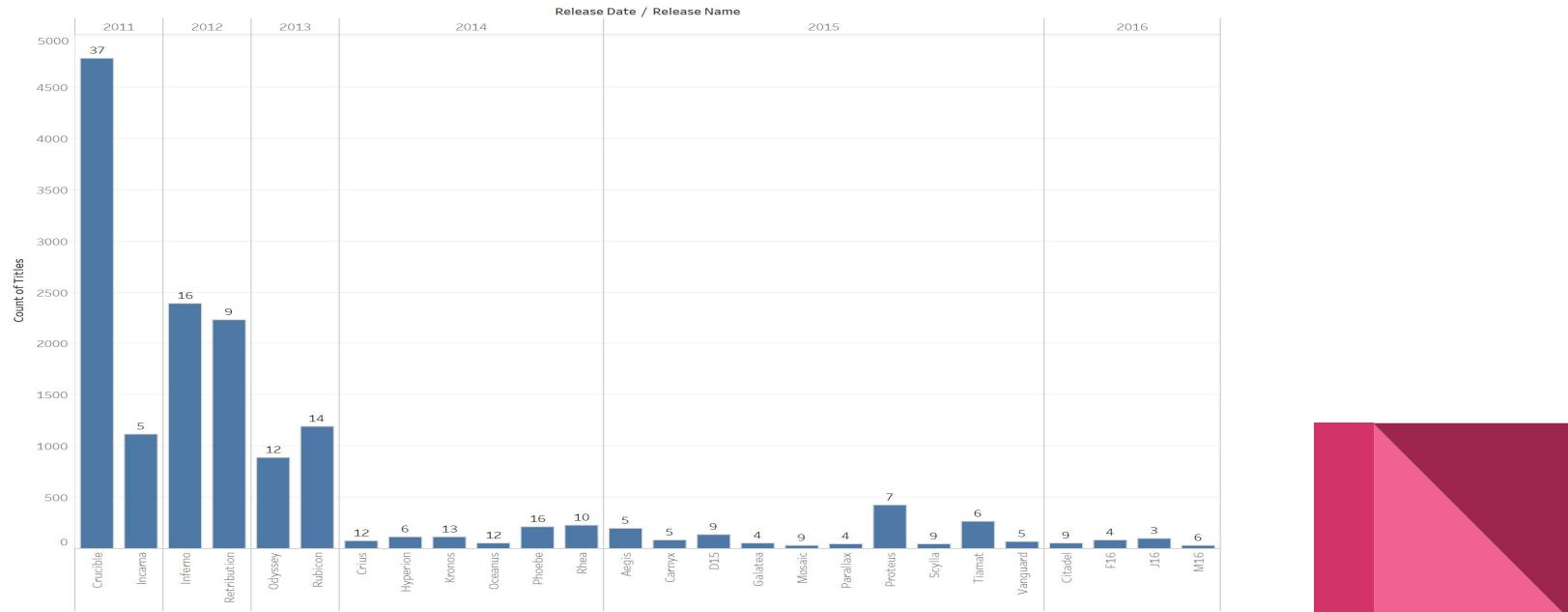
Average of Dominant C...	Average of Normalized vs Average Post Word Count	Max Word Count by Years	Percent of Max Marker by Quarter	Release Number of Changes to Word Count Comparison	Posts Number by Release and Changes Number	Average Turbulence by Release	Turbulence by Number of Changes	Turbulence Post Crucible
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Posts Number by Release and Changes Number

Cognitive Sequences

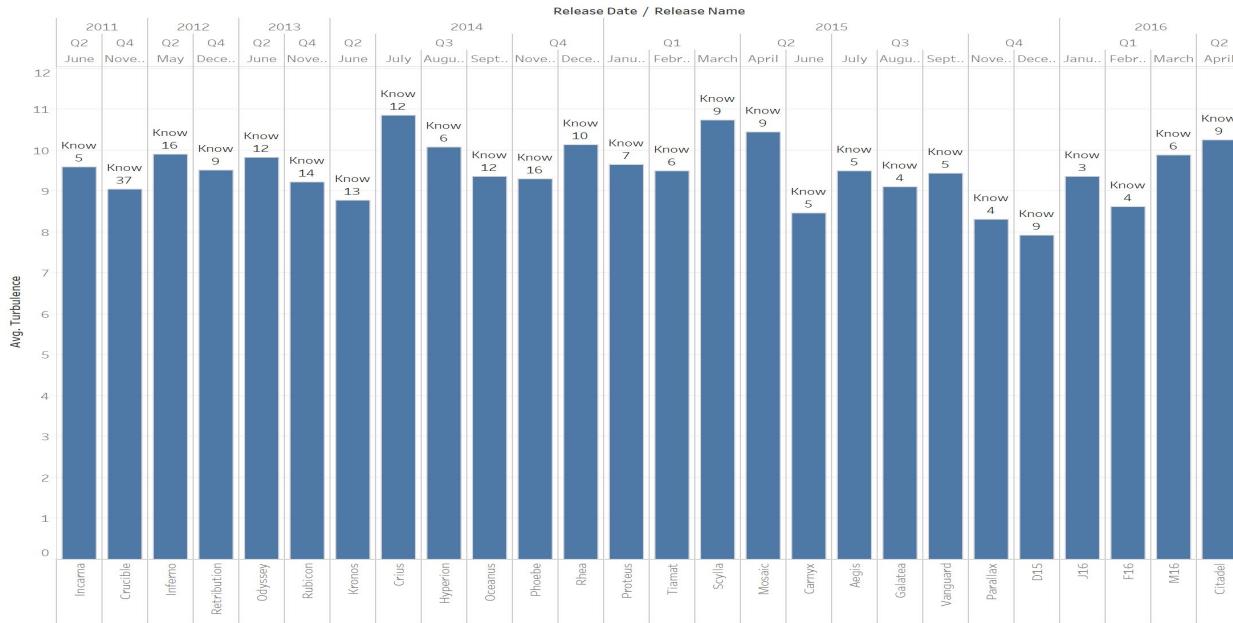
Average of Normal...	Max Word Count by Years	Percent of Max Marker by Quarter	Release Number of Changes to Word Count Comparison	Posts Number by Release and Changes Number	Average Turbulance by Release	Turbulence by Number of Changes	Turbulence Post Crucible	Tubulance Post Hyperion
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Average Turbulence by Release

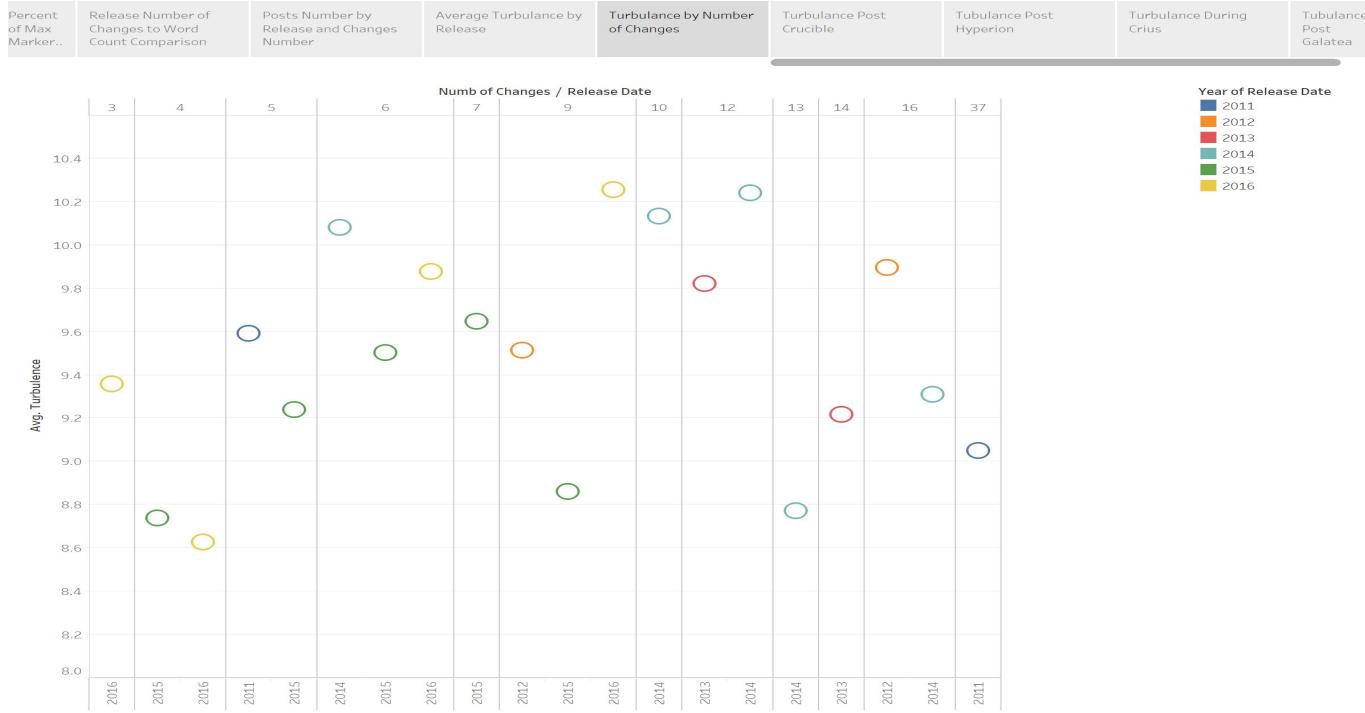
Cognitive Sequences

Max Word Count ..	Percent of Max Marker by Quarter	Release Number of Changes to Word Count Comparison	Posts Number by Release and Changes Number	Average Turbulence by Release	Turbulence by Number of Changes	Turbulence Post Crucible	Tubulance Post Hyperion	Turbulence During Crisus
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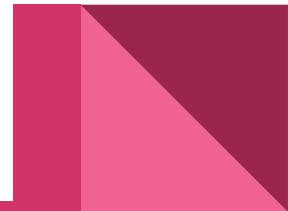
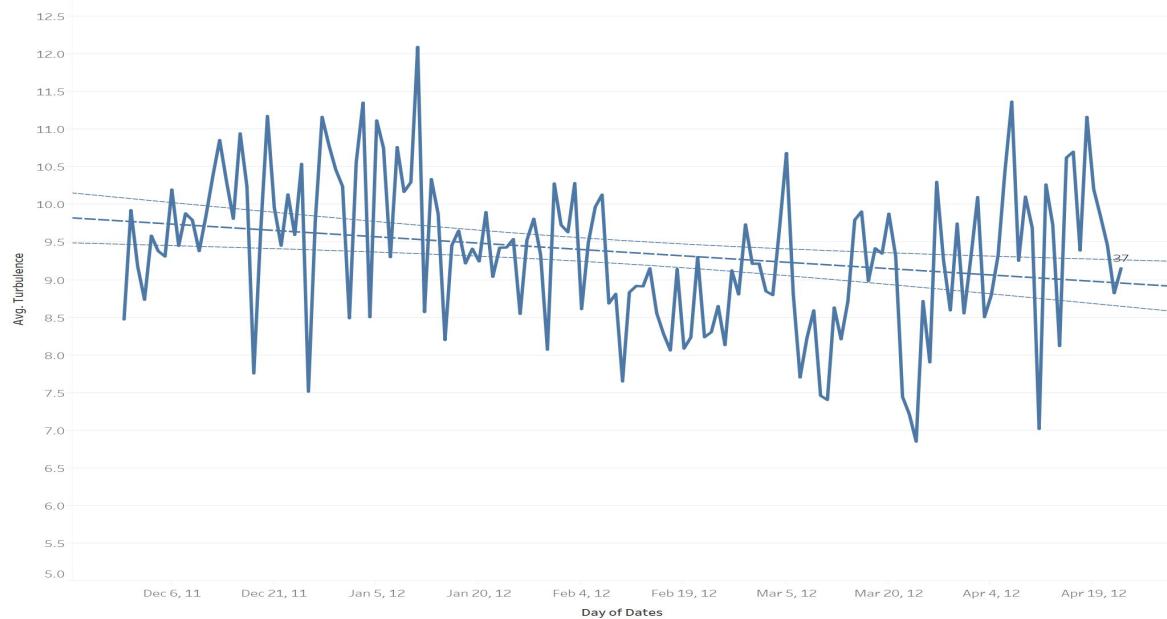
Turbulence by Number of Changes

Congnitive Sequences



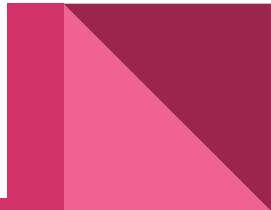
Turbulence Post Crucible

Cognitive Sequences



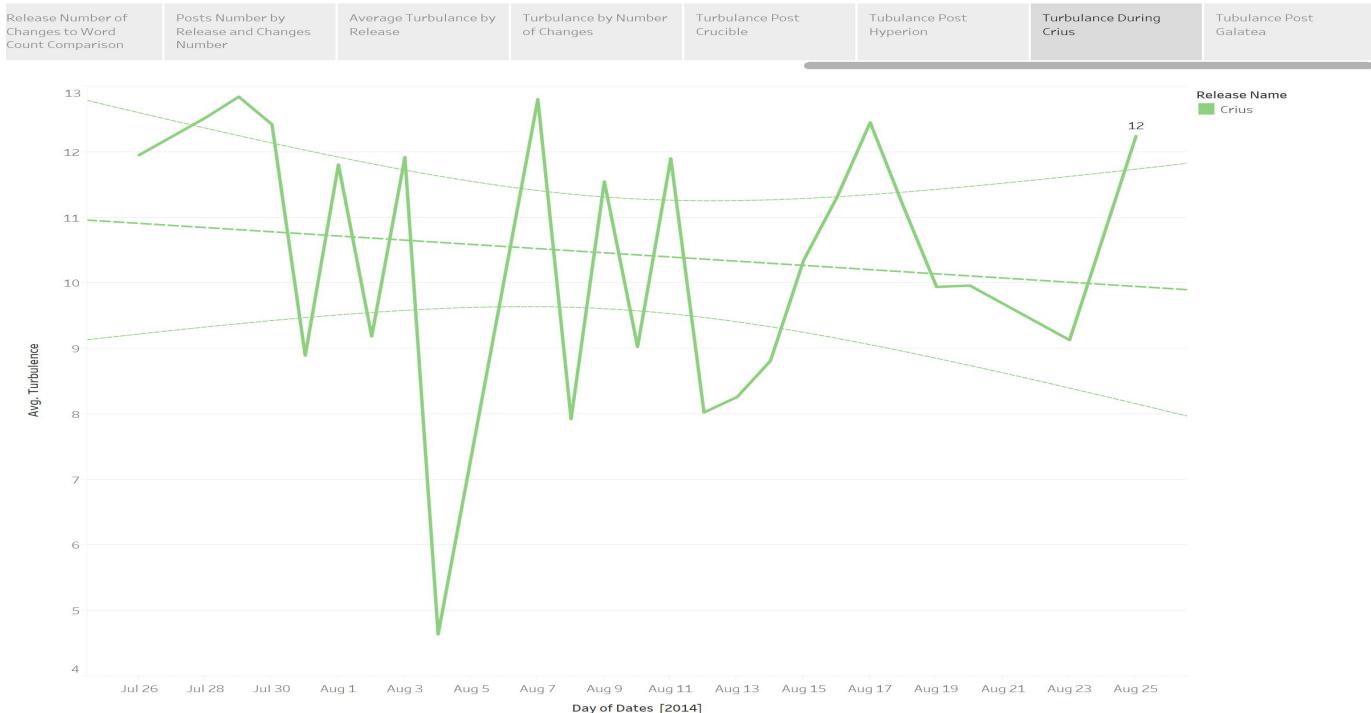
Turbulence Post Hyperion

Cognitive Sequences



Turbulence during Crius

Cognitive Sequences



Turbulence Post Galatea

Cognitive Sequences

Release Number of Changes to Word Count Comparison	Posts Number by Release and Changes Number	Average Turbulence by Release	Turbulence by Number of Changes	Turbulence Post Crucible	Tubulance Post Hyperion	Turbulence During Crius	Tubulence Post Galatea
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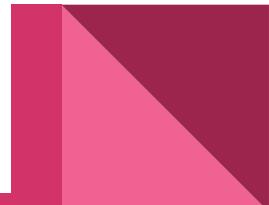
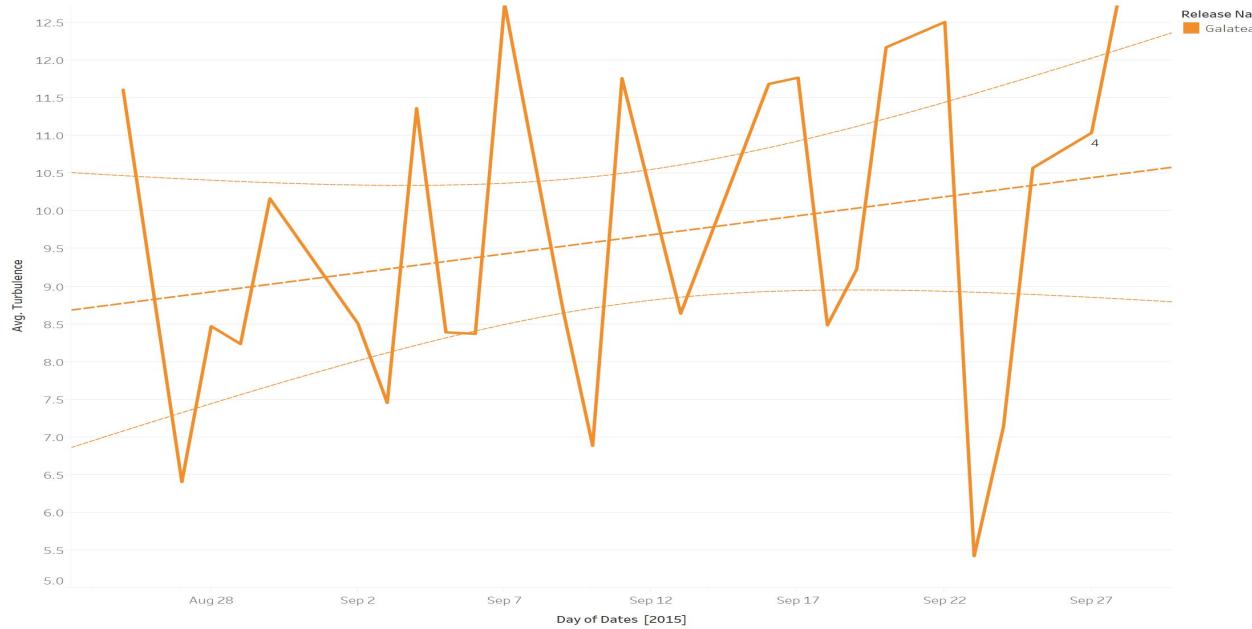
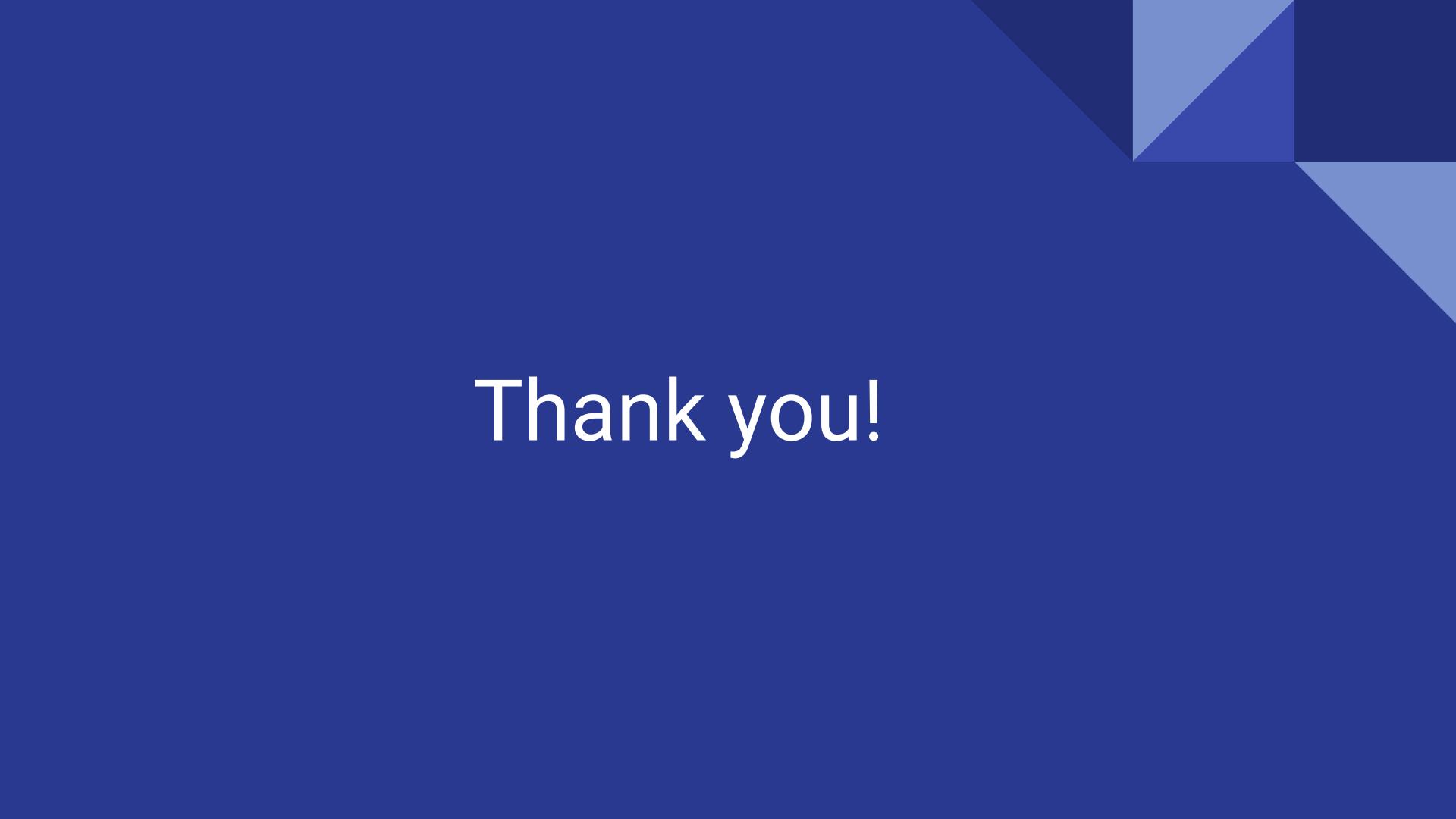


Tableau Public Link

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The background features a large, solid dark blue rectangle. In the upper right corner, there is an abstract geometric pattern composed of several triangles. These triangles are primarily in shades of blue, ranging from light to dark. They are arranged in a way that creates a sense of depth and movement, resembling a stylized sunburst or a cluster of stars.

Thank you!